Job Description

R&D Hardware Designer

Elecbits

Simpler. Faster. Digital Manufacturing

Elecbits

Elecbits is a tech-enabled B2B platform that provides best-in-class Electronics designing & manufacturing solution to electronics enterprises and startups.
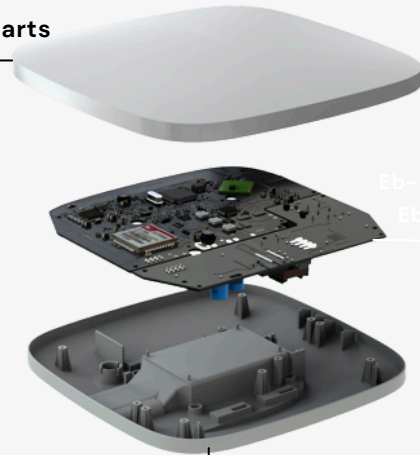
- Next- Generation Design Solutions - Designed in India Hardware products for EV, Fintech, Consumer etc. industry.

- Digital Manufacturing Platform for Sourcing components, PCBs & Supply chain management providing the best lead times and pricing globally.

- Elecbits vendor network has 3000+ vetted vendors for PCB Fabrication, BoM procurement and PCB Assembly.
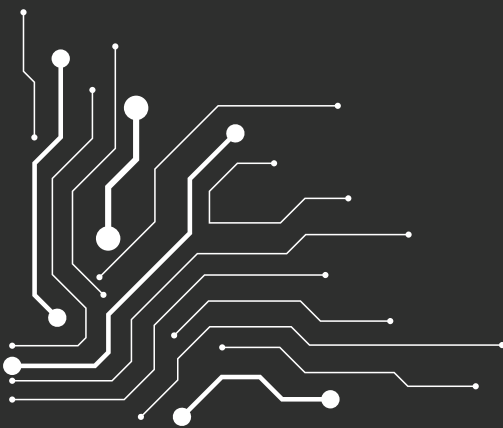
Designing & Financial Modelling

Eb- Enclosure & Mechanical Parts

Testing & Certification

Our Vision

To build next-gen physical and digital infrastructure for electronics enterprises and startups.

Responsiblities

Product Development and Leadership

- Design and develop hardware components and systems for our company's products, ensuring they meet performance, cost, and reliability requirements.
- Design and develop electronic hardware systems, including schematic capture, PCB layout, and component selection, considering factors such as cost, performance, reliability, and manufacturability.
- Conduct feasibility studies and research to evaluate new technologies, components, and design approaches for continuous improvement of product performance and functionality.

Collaboration and Communication

- Collaborate with cross-functional teams, including software engineers, mechanical engineers, and product managers, to define and develop hardware requirements and specifications.
- Maintain clear and open communication with clients throughout the development process.
- Collaborate with suppliers and manufacturers to select and source components, manage
- component obsolescence, and resolve technical issues during production.

External Relations and Partnerships

- Lead and participate in design reviews, providing technical expertise and guidance to ensure design integrity, quality, and adherence to project timelines.
- Develop and maintain design documentation, including specifications, schematics, layout guidelines, and test plans, ensuring accurate and up-to-date records.

Responsiblities

Technical Expertise and Market Awareness

- Stay updated with industry trends, emerging technologies, and best practices in electronics hardware design, and proactively apply this knowledge to improve design processes and methodologies.
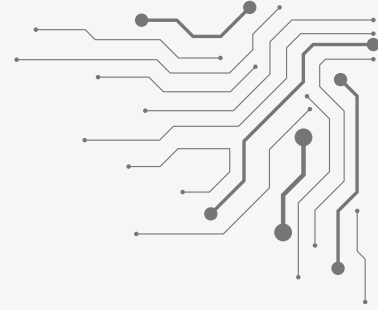
Team Management and Development

- Foster a positive and collaborative work environment that values camaraderie, brotherhood, curiosity, and continuous learning within the R&D team.
- Encourage experimentation and exploration of new ideas while providing leadership, guidance, and mentorship to team members, empowering them to excel and grow in their roles.

Project Management and Resource Allocation

- Drive continuous improvement initiatives, identify opportunities for cost reduction, design optimization, and increased efficiency in hardware design workflows.

Requirements

Education and Experience

- Bachelor's or master's degree in electrical engineering, Electronics, or a related field.
- Proven experience in electronics hardware design, including schematic design, PCB layout, and component selection.
- Strong knowledge of analog and digital electronics, signal integrity, power management, and EMI/EMC design principles.

Programming Proficiency

- Proficiency in using industry-standard design tools such as Altium Designer, or similar software.
- Familiarity with regulatory standards and certifications relevant to electronic hardware design, such as FCC, CE, and RoHS.

System Understanding

- Experience with design for manufacturing (DFM) and design for test (DFT) principles, ensuring efficient production and testing processes.
- Strong problem-solving and analytical skills, with the ability to troubleshoot and resolve complex hardware design issues.
- Knowledge of embedded systems, microcontrollers, and FPGA design is a plus.

Ideal

- Passionate innovators with B2B startup project management experience seeking to build the future in a collaborative environment.
- Curiosity, pleasant personality, fosters camaraderie

Desirable Skills

Team Player
Strong ability to work as a team player

Targets under deadlines
Capable of executing targets under stipulated deadlines

Communication
Excellent communication and interpersonal skills

WHY JOIN US?

Unlock Your Potential: Where Dedication Meets Celebration.

Happiness

Happiness isn't a perk, it's our pulse. We foster a culture of joy, open communication, and growth. It fuels creativity, success, and makes us who we are.

Health

Stress-free & thriving. Ergonomic spaces, wellness programs - we prioritize your health & well-being for a more engaged, resilient team. Healthy employees, successful company.

Excitement

Thriving on Innovation. We push boundaries, foster creativity, and empower ideas. Collaborative decisions fuel excitement and continuous growth.

Passion or nothing

Passion is our DNA. Excitement for every project fuels a team of go-getters who achieve extraordinary things.

Brotherhood and camaraderie

Family, not colleagues. We build trust, support, and a sense of belonging. This strong team spirit fuels communication, collaboration, and our shared success.

Never afraid of failing

Fail. Learn. Rise. We embrace challenges, see setbacks as lessons, and constantly push for improvement. It's how we innovate and win.

Heavy focus on personal growth

Grow with us. We invest in your skills, offer mentorship, and empower continuous learning. Reach your full potential, inside and outside of work.

Live your life to the fullest

Work hard, play hard. We celebrate wins, encourage downtime, and value a rich life outside the office. Balance fuels success.

National Impact

Our mantra balances dedication and celebration. We believe in putting in the effort while also enjoying the journey.

Culture

Our mantra balances dedication and celebration. We believe in putting in the effort while also enjoying the journey.

How to apply

Please mail your resume to careers@elecbits.in in the following format

New Message   — ⤢ ✕

careers@elecbits.in

Subject: {{name}} - Application for Hardware Designer

Also, add the following details while mailing
- Total work experience as a Hardware Designer (in years/months)
- Current CTC
- Date of joining
- Attach your latest resume

Send ▾   ⋮ 🗑

This would be an in-office role for our
Gurugram branch
We are looking for immediate joiners with a maximum notice period of 1 month.